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(54) Title: COMPOUNDS FOR INHIBITING DISEASES AND PREPARING CELLS FOR TRANSPLANTATION

(57) Abstract: Methods and compositions which are useful in the treatment of amyloidosis. In particular, methods and compositions are provided for inhibiting, preventing and treating amyloid depositions, e.g. in pancreatic islets, wherein the amyloidotic deposits are islet amyloid polypeptide (IAPP)-associated amyloid deposition or deposits. The methods of the invention involved administering to a subject a therapeutic compound which inhibits IAPP-associated amyloid deposits. Accordingly, the compositions and method of the invention are useful for inhibiting IAPP-associated amyloidosis in disorders in which such amyloid deposition occurs, such as diabetes. The invention also provides a process for the preparation of cells suitable for transplantation into a mammal, which cells are capable of forming fibrils, said process comprising contacting the cells with an inhibitor of fibril formation. In particular the process prepares cells for use in a method of treating diabetes. Also provided are a culture medium comprising the inhibitor and cells for transplantation.

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